



Gulf of Mexico Harmful Algal Bloom Bulletin

17 November 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

Last bulletin: November 17, 2005

Conditions: Harmful algal blooms have been identified in patches in Dixie, Levy, Sarasota, and Lee Counties. Patchy very low to low impacts are possible in Dixie, Levy, Lee, and Sarasota Counties today through Sunday. A second bloom has been identified in patches in Okaloosa, Bay, and Franklin Counties. Patchy very low impacts are possible today through Sunday in Okaloosa and Bay County. Patchy very low impacts are possible today in Franklin County, with patchy low to moderate impacts possible Friday and Saturday, and patchy very low impacts on Sunday.

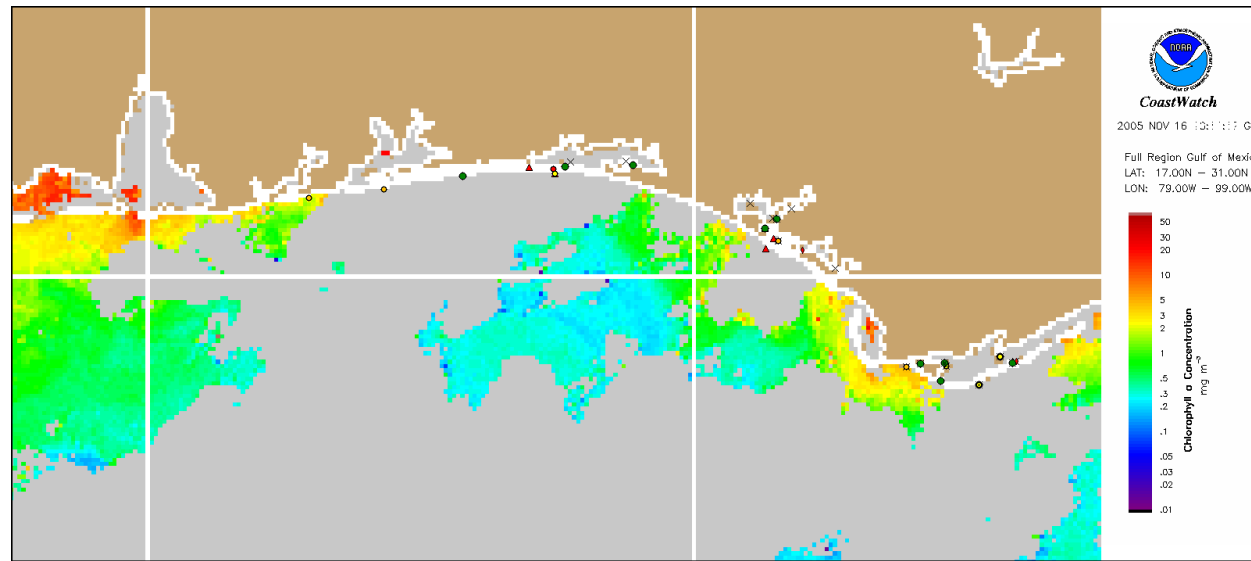
Analysis: Bloom remains in patches in Okaloosa, Bay, and Franklin counties. Clouded imagery obscures analysis of bloom extents. Recent sampling results indicate low concentrations of *K. brevis* in Apalachicola Bay and at East Pass offshore of Franklin County (FWRI, 11/ 14). Background to very low concentrations of *K. brevis* were recorded at St. Andrew Bay and East Bay in Bay County on 11/15 (FWRI). Alabama Department of Health reported very low concentrations of *K. brevis* at Fort Morgan and around Gulf Shores Beach in Alabama on 11/16.

Strong northeasterly winds on Friday and Saturday may increase impacts for Franklin County. Slight southwesterly transport is possible.

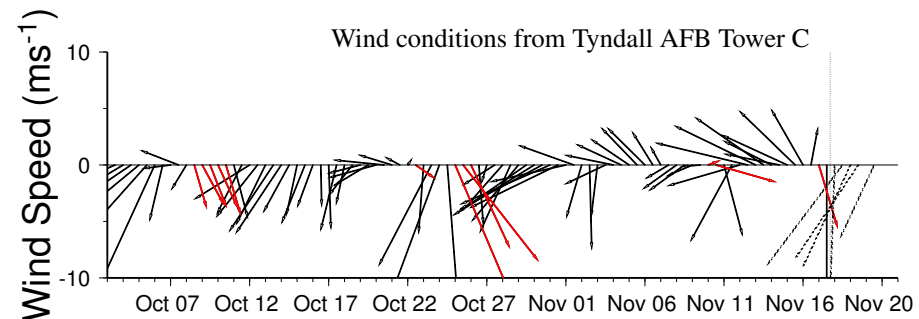
~Keller, Stolz

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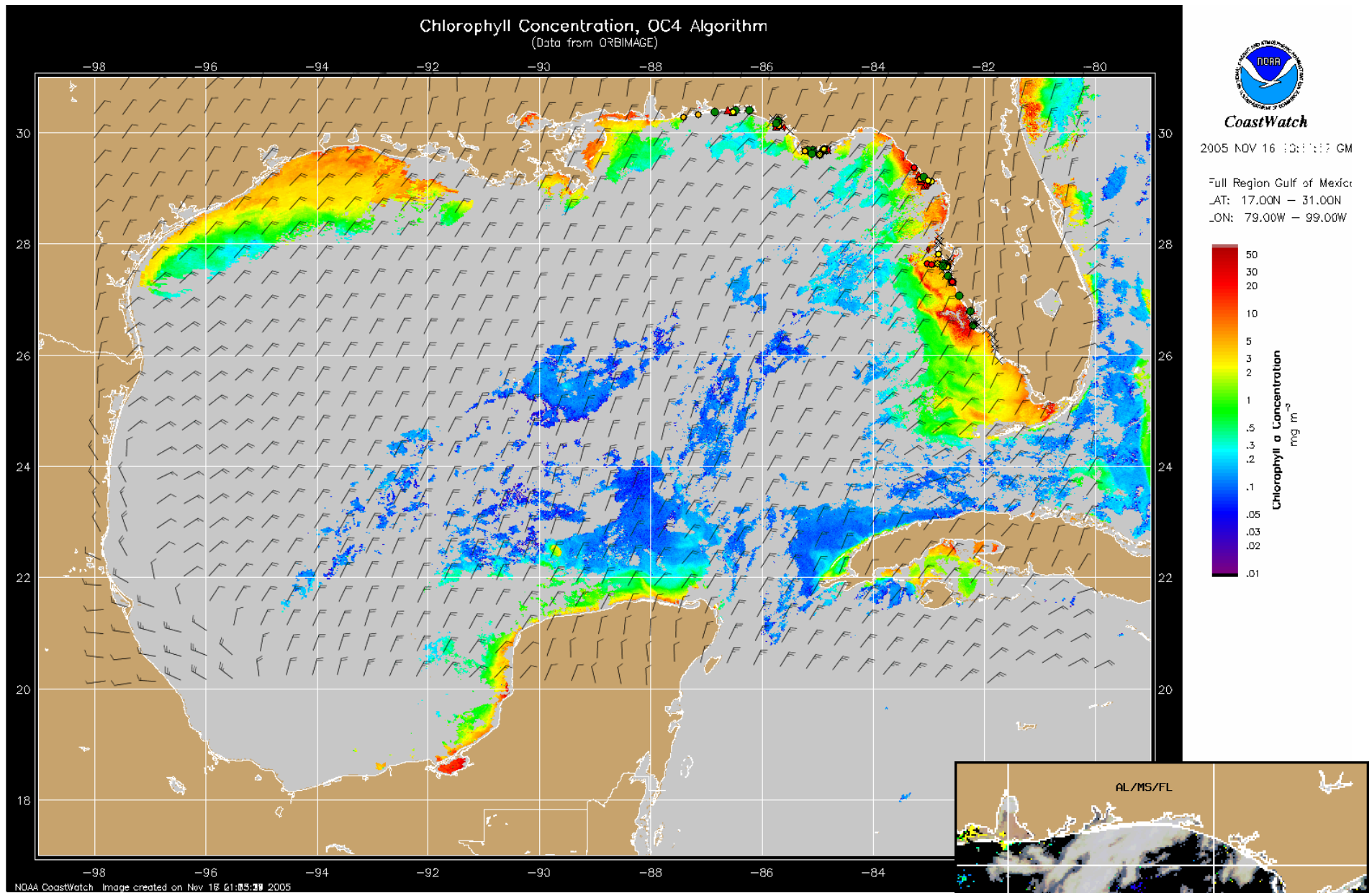


Chlorophyll concentration from satellite with HAB areas shown by red polygon(s).



Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida: North winds today (20-25 knots, 10-13m/s). Northeast winds tonight through Saturday (20 -25 knots, 10-13 m/s) and northerly winds on Sunday (10 -15 knots, 5-8 m/s).



Chlorophyll concentration from satellite and forecast winds for November 18, 2005 12Z with cell concentration sampling data from October 31, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis)